

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A ~~fenestrated~~-endovascular graft kit, comprising:
 - a ~~fenestrated~~-endovascular graft, including:
 - a tubular graft body having a graft wall surrounding a central lumen, and
 - ~~a multiplicity of fenestrations through the graft wall,~~
 - ~~a graft delivery catheter for implanting the fenestrated endovascular graft within a patient's blood vessel; and~~
 - a guidewire for forming the opening in the graft wall, the guidewire having a proximal end, a distal end and a piercing element on said guidewire at a location intermediate the proximal end and the distal end.
2. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 1, further comprising:
at least one expandable stent connected to the tubular graft body.
3. (currently amended) The ~~fenestrated~~-endovascular graft of claim 23-4, wherein the fenestrations through the graft wall are expandable.
4. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 23-4, wherein the fenestrations through the graft wall are in the form of slits oriented longitudinally with respect to the tubular graft body.
5. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 1, further comprising:
a grommet insertable into an opening formed in the graft wall.
6. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 1, further comprising:
a sidebranch graft connectable to an opening formed in the graft wall.

7. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 6, wherein the sidebranch graft has a flange configured to form a fluidtight connection to the opening in the graft wall and an expandable anchor configured to form a fluidtight seal with a branch vessel.

8. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 1, wherein the piercing element is guidewire ~~includes a rearwardly-facing and pointing toward the proximal end of the guidewire~~ piercing element.

9. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 8, wherein the kit further comprises a catheter for introducing the guidewire into the patient's blood vessel.

10. (currently amended) A ~~fenestrated~~-endovascular graft kit, comprising:

a ~~fenestrated~~-endovascular graft, including:

an outer tubular graft body having a graft wall surrounding a central lumen ~~and a multiplicity of fenestrations through the graft wall~~; and

an inner tubular graft body sized and configured for placement within the central lumen of the outer tubular graft body, the inner tubular graft body having a graft wall surrounding a central lumen; ~~and a multiplicity of fenestrations through the graft wall~~

~~a graft delivery catheter for implanting the fenestrated endovascular graft within a patient's blood vessel; and~~

a guidewire for forming the opening in the graft wall, said guidewire having a proximal end, a distal end and a piercing element on said guidewire at a location intermediate said proximal end and said distal end.

11. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, further comprising: at least one expandable stent connected to the outer tubular graft body or the inner tubular graft body.

12. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim ~~27-40~~, wherein the fenestrations through the outer tubular graft body and the fenestrations through the inner tubular graft body are expandable.

13. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, wherein the outer tubular graft body and the inner tubular graft body are permanently attached to one another.

14. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, wherein the outer tubular graft body and the inner tubular graft body are separable from one another.

15. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim ~~27-40~~, wherein the fenestrations through the outer graft wall are configured to seal against the inner graft wall and the fenestrations through the inner graft wall are configured to seal against the outer graft wall when the inner tubular graft body is placed within the central lumen of the outer tubular graft body.

16. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim ~~27-40~~, wherein the fenestrations through the outer graft wall are in the form of slits oriented longitudinally with respect to the outer tubular graft body and wherein the fenestrations through the inner graft wall are in the form of slits oriented circumferentially with respect to the inner tubular graft body.

17. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, further comprising: a grommet insertable into an opening formed through the outer graft wall and the inner graft wall.

18. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, further comprising: a sidebranch graft connectable to an opening formed through the outer graft wall and the inner graft wall.

19. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 18, wherein the sidebranch graft has a flange configured to form a fluidtight connection to the opening through

the outer graft wall and the inner graft wall and an expandable anchor configured to form a fluidtight seal with a branch vessel.

20. (canceled)

21. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 10, wherein the piercing element is guidewire includes a rearwardly-facing and has a piercing tip pointing toward the proximal end of the guidewire-piercing element.

22. (currently amended) The ~~fenestrated~~-endovascular graft kit of claim 21, wherein the kit further comprises a catheter for introducing the guidewire into the patient's blood vessel.

23. (new) The endovascular graft kit of claim 1, wherein the endovascular graft has a multiplicity of fenestrations through the graft wall.

24. (new) The endovascular graft kit of claim 1, further comprising a graft delivery catheter for implanting the fenestrated endovascular graft within a patient's blood vessel.

25. (new) The endovascular graft kit of claim 1, wherein the guidewire has a distal portion and a relatively stiffer proximal portion, and wherein the piercing element is mounted in the vicinity of the flexible distal portion.

26. (new) The endovascular graft kit of claim 1, wherein the piercing element has a retracted position in which the piercing element lies alongside the guidewire and an extended position in which the piercing element is positioned to pierce the graft wall.

27. (new) The endovascular graft kit of claim 10, wherein the endovascular graft has a multiplicity of fenestrations through the graft wall of said outer tubular graft body and a multiplicity of fenestrations through the inner tubular graft body.

28. (new) The endovascular graft kit of claim 10, further comprising a graft delivery catheter for implanting the fenestrated endovascular graft within a patient's blood vessel.

29. (new) The endovascular graft kit of claim 10, wherein the guidewire has a distal portion and a relatively stiffer proximal portion, and wherein said piercing element is mounted in the vicinity of the flexible distal portion.

30. (new) The endovascular graft kit of claim 10, wherein said piercing element has a retracted position in which said piercing element lies alongside said guidewire and an extended position in which said piercing element is positioned to pierce said graft wall.